ABSTRACT

A path detector (140) detects a plurality of multi-path waves that have satisfied a predetermined standard from reverse spread signals, a plurality of adders (161) form beams on the basis of a path, a plurality of transfer path estimating sections (170) and complex conjugate calculators (163) calculate a transfer path estimation value, and based upon the result of the estimation, carry out a weighting process in accordance with the signal amplitude and a removing process of the phase variations. Moreover, a plurality of interference amount estimating sections (171) extract the amount of interference, a plurality of normalizing sections (172) normalize the signals that have been subjected to the phase variation removing process based upon the amount of interference, an adder (185) combines all the signals that have been normalized, and a data determining section (190) determines the signal that have been combined.